



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER  
PO038518**

**Supplier:** MOA001-VU  
Monroe Aerospace  
399 East Drive  
Melbourne, FL 32904 USA  
Phone: 1-321-727-0047  
Fax: 1-321-727-7331

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO038518

**PO Date:** 11/29/17

**Due Date:** 12/1/17

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Baker, Diane  
Phone: dbaker@dartaero.com

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:**

**E-MAILED**  
NOV 30 2017

*Received*

Items											
Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	MS21042L08	-	Nut		Firmed	12/1/17	50 Ea	0 Ea	50 Ea	\$0.15/Ea	\$7.50
2	MS24694-S54	-	Screw		Firmed	12/1/17	100 Ea	0 Ea	100 Ea	\$0.08/Ea	\$8.00
3	MS21250-06018	-	Bolt		Firmed	12/1/17	10 Ea	0 Ea	10 Ea	\$3.25/Ea	\$32.50
4	MS20426AD3-3	-	Rivet qty in lbs - 6200		Firmed	12/1/17	6,200 Ea	0 Ea	6,200 Ea	\$0.0058064/Ea	\$36.00
5	MS20470AD4-5	-	Rivet, Universal Head qty in lbs - 2268		Firmed	12/1/17	2,268 Ea	0 Ea	2,268 Ea	\$0.0078924/Ea	\$17.90

*SON 12-7*, Grand Total: \$101.90

**Order Notes**

**Procurement Quality Clauses**

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

*CL*  
*db*  
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**PACKING SLIP**

INVOICE #: 620677

DATE PRINTED: 11/30/2017

TIME: 4:25:49 PM

# OF ITEMS: 5

PAGE: 1

<b>TO:</b> DART AEROSPACE LTD. ACCTS. PAYABLE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 CANADA  <b>ATTN:</b> DIANE BARKER Ph: 613.632.3336		<b>SHIP TO:</b> DART AEROSPACE LTD. ATTN: RECEIVING 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 CANADA				
<b>INVOICE DATE:</b> 11/30/2017 <b>ORDER DATE:</b> 11/30/2017 <b>SHIP DATE:</b> 11/30/2017 <b>SALES ORDER #:</b> 549291 <b>CUSTOMER #:</b> 16754		<b>TERMS:</b> NET 30 <b>CUST PO:</b> PO038518 <b>FOB:</b> MELBOURNE, FL		<b>WEIGHT:</b> 3.6 <b># OF BOXES:</b> 1 <b>SHIPMENT #:</b> 0	<b>SHIP VIA:</b> UPS GROUND <b>YOUR MONROE ACCOUNT REP:</b> Luis Sepulveda	
ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
1	MS21042L08 SELF LOCKING NUT	50.00	0.00	NE		
	MFR: AFC	LOT: 24351				
	Control #: 137979-1					
2	MS24694S54 FLAT HEAD SCREW	56.00	44.00	NE		
	MFR: AFC	LOT: 26254				
	Control #: 150620-1					
3	MS21250-06018 BOLT	10.00	0.00	NE		
	MFR: HEARTLAND	LOT: 41771				
	Control #: 122187-1					
4	MS20426AD3-3 SOLID RIVET	1.00	0.00	NE		
	MFR: NAT'L RIVET	LOT: R-731-752-A	REV: 3			
	Control #: 156476-1					
5	MS20470AD4-5 SOLID RIVET	1.00	0.00	NE		
	MFR: ALLFAST	LOT: S160804009L	REV: 2			
	Control #: 158161-1					
<b>SPECIAL INSTRUCTIONS:</b>						
We Thank You For Your Continued Business!						
MONROE TAX ID: 47-3784072						

ECAS, LLC dba MONROE AEROSPACE

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331



MONROE TAX ID: 47-3784072

**Invoice**

INVOICE #: 620677  
 DATE PRINTED: 11/30/2017  
 TIME: 4:25:27 PM  
 # OF ITEMS: 6  
 PAGE: 1

<b>TO:</b> DART AEROSPACE LTD. ACCTS. PAYABLE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 CANADA  ATTN: DIANE BARKER Ph: 613.632.3336		<b>SHIP TO:</b> DART AEROSPACE LTD. ATTN: RECEIVING 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 CANADA					
INVOICE DATE: 11/30/2017 ORDER DATE: 11/30/2017 SHIP DATE: 11/30/2017 SALES ORDER #: 549291 CUSTOMER #: 16754		TERMS: NET 30 CUST PO: PO038518 FOB: MELBOURNE, FL AWB: 1Z3165E06862801959 YOUR MONROE ACCOUNT REP: Luis Sepulveda					
WEIGHT: 3.6 # OF BOXES: 1 SHIPMENT #: 0		SHIP VIA: UPS GROUND					
ITEM PART NUMBER/DESCRIPTION 1 MS21042L08 SELF LOCKING NUT ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: AFC		SHIPPED B/O CD UNIT PRICE UOM TOTAL AMT 50.00 0.00 NE 0.1500 EA \$7.500					
2 MS24694S54 FLAT HEAD SCREW ECCN#: 9A991 SCHB#: 7318.15.4000 MFR: AFC		LOT:24351 56.00 44.00 NE 0.0800 EA \$4.480					
3 MS21250-06018 BOLT ECCN#: 9A991 SCHB#: 7318.15.2000 MFR: HEARTLAND		LOT:26254 10.00 0.00 NE 3.2500 EA \$32.500					
4 MS20426AD3-3 SOLID RIVET ECCN#: 9A991 SCHB#: 7616.10.3000 MFR: NAT'L RIVET		LOT:R-731-752-A 1.00 0.00 NE 36.0000 LB \$36.000					
5 MS20470AD4-5 SOLID RIVET ECCN#: 9A991 SCHB#: 7616.10.3000 MFR: ALLFAST		LOT:S160804009L 1.00 0.00 NE 17.9000 LB \$17.900					
*** Order Not Complete ***							
SPECIAL INSTRUCTIONS:  We Thank You For Your Continued Business!				SUB TOTAL: \$98.380 TAX TOTAL: \$0.000 MISC CHARGE: \$0.000 FREIGHT: \$25.480 TOTAL: \$123.86 USD			

ECAS, LLC dba MONROE AEROSPACE

399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975 FAX: 321.727.7331



## **CERTIFICATE OF CONFORMITY**

NO: 620677

**BILL TO:**  
**DART AEROSPACE LTD.**  
**ACCTS. PAYABLE**  
**1270 ABERDEEN STREET**  
**HAWKESBURY, ON K6A 1K7**

**SHIP TO:**  
**DART AEROSPACE LTD.**  
**ATTN: RECEIVING**  
**1270 ABERDEEN STREET**  
**HAWKESBURY, ON K6A 1K7**

CUSTOMER PO	SHIP DATE	AIRWAY BILL/TRACKING #
PO038518	11/30/2017	1Z3165E06862801959

PART NO:	Description	CND	QTY	S/L		
MS21042L08	SELF LOCKING NUT Customer Reference:	NE	50	61	LOT: 24351	MFR: AFC
MS24694S54	FLAT HEAD SCREW Customer Reference:	NE	56	45	LOT: 26254	MFR: AFC
MS21250-06018	BOLT Customer Reference:	NE	10	17	LOT: 41771	MFR: HEARTLAND
MS20426AD3-3 REV: 3	SOLID RIVET Customer Reference:	NE	1	52	LOT: R-731-752-A	MFR: NAT'L RIVET
MS20470AD4-5 REV: 2	SOLID RIVET Customer Reference:	NE	1	73	LOT: S160804009L	MFR: ALLFAST

**CONDITIONS:**    **NE - New**    **OH-OVERHAULED**    **RP-REPAIRED**    **SV-SERVICEABLE**

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

**SIGNED:**

For and on behalf of ECAS, LLC dba MONROE AEROSPACE



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## **CERTIFICATE OF CONFORMANCE**

## **EAST COAST AVIATION**

I Hereby Certify that on 10/21/14 Airfasco Industries provided the supplies called for by Contract/ PO Number 70679 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

## Quality Assurance Representative

WM. DENT



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## CERTIFICATE OF CONFORMANCE

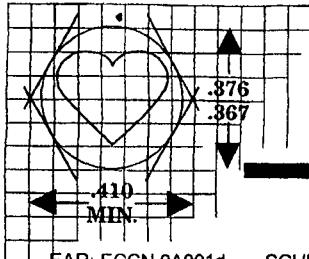
ECAS LLC

I Hereby Certify that on 10/24/16 Airfasco Industries provided the supplies called for by Contract/ PO Number FL77663 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

### Quality Assurance Representative

  
WM. DENT

WM. DENT



# HEARTLAND

## PRECISION FASTENERS INC

301 Prairie Village Dr.  
New Century, Kansas 66031

Toll Free (877) 4HP-BOLT  
(447-2658)

Tele (913) 829-4447  
Fax (913) 829-7282

EAR: ECCN 9A991d SCHEDULE B: 7318.15.2000

ECAS INC.  
399 EAST DRIVE  
MELBOURNE, FL 32904

QTY: 2,500

PO#: 62445 #1

CAGE CODE: 02C92

### CERTIFICATE OF CONFORMANCE

HEARTLAND PRECISION FASTENERS, INC CERTIFIES THAT THE FASTENERS IN THIS SHIPMENT HAVE BEEN MANUFACTURED IN ACCORDANCE WITH HPFI'S QUALITY SYSTEM MANUAL, HPQM-001, REVISION H, APPLICABLE DRAWINGS, SPECIFICATIONS AND CONTRACT REQUIREMENTS. DIMENSIONAL, MECHANICAL, METALLURGICAL AND FINISH TESTS WERE PERFORMED AND CONFORM TO SAID SPECIFICATIONS. TRACEABILITY INFORMATION IS MAINTAINED AND ON FILE BY LOT NUMBER PER HPQP-018. WE CERTIFY THAT THIS LOT WAS MANUFACTURED FREE FROM MERCURY, RADIA, ALPHA SOURCE CONTAMINATION AND OZONE DEPLETING SUBSTANCES.

PAGE 1 OF 1

PART: MS21250-06018	REVISION: 1	LOT NO: 41771	CERT DATE: NOV 5 2012
DESCRIPTION: BOLT, TENSION, STEEL, EXTERNAL WRENCHING, FLANGED, 12 POINT		MFG. DATE: 9/7/12	
DFARS 252.225-7014 ALT I COMPLIANT		IN-PROCESS INIT. DATE: 6/8/12	
PROCUREMENT SPEC: NASM8831	REVISION: 3	HEADMARK: MS21250	♡
MATERIAL SPEC: AMS 6322	REVISION: N	GRADE: 8740	QUANTITY MANUFACTURED
RAW MAT.CERT: SEE ATTACHED	HEAT: 10175090	SUPPLIER: WIRETECH	2,730

### MECHANICAL TESTING

ULTIMATE TENSILE STRENGTH				DOUBLE SHEAR STRENGTH		HARDNESS
POUNDS	FRACTURE	POUNDS	FRACTURE	POUNDS		ROCKWELL C SCALE
19,283	THREAD	18,984	THREAD	24,692	24,806	TEST SAMPLES: 10
18,886	THREAD	18,915	THREAD	24,526	24,672	
19,162	THREAD	18,894	THREAD	24,652	24,715	TEST RANGE: 40-43
19,065	THREAD			24,652		
19,077	THREAD			24,626		
MIN:	17,100			MIN:	23,900	REQ'D: 39-43

FATIGUE: (SEE ATTACHED)

STRESS DURABILITY: (SAMPLE PCS: 5; LOAD APPLIED: 14,535 LBS; DISCONTINUED AFTER: 23 HOURS) PASS

### METALLURGICAL TESTING

MAG=100x	SAMPLE SIZE	DISCONTINUITIES	SURFACE CONTAMINATION:	GRAIN FLOW:	MICROSTRUCTURE:
NITAL	5	ACCEPTABLE	NONE	ACCEPTABLE	SATISFACTORY

### SPECIAL PROCESSES

HEAT TREATMENT PER AMS 2759/1 REV E (SEE ATTACHED)

FINISH CADMIUM PLATE PER AMS-QQ-P-416(C) TYPE II, CLASS 2

THREADS .3750-24 UNJF-3A STANDARD PER AS8879(D)

NDT MAGNETIC PARTICLE INSPECT PER ASTM E 1444-11

ACCEPT:	REJECT:	
100%	0	

STAMP:  AUTHORIZED QUALITY REPRESENTATIVE  
VERN MCHENRY *Vern McHenry*

HPF 1801 REV. B DATED 4/21/10 THE ORIGINAL OF THIS CERTIFICATE HAS A RAISED SEAL & SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF  
HPFI LABORATORY.

# ALLFAST<sup>®</sup>

## FASTENING SYSTEMS

P.O.Box 3166 - 15200 Don Julian Road  
City Of Industry, California 91745-1098  
Phone (626)968-9388 - Fax (626)968-9393  
[www.allfastinc.com](http://www.allfastinc.com)

### CERTIFICATE OF CONFORMANCE

DATE: 08/17/2016

CUSTOMER NAME: RAPID RIVET

PURCHASE ORDER: 342695

PART NUMBER: MS20470AD4-S REV: 2

LOT CONTROL NUMBER: S160804009L

MATERIAL LOT NUMBER: S393316

MATERIAL VENDOR: KAISER ALUMINUM FAB. PROD. LLC MATERIAL TYPE: 2117-T4

CERTIFICATION NUMBER: 000210173

NOMENCLATURE: Solid Rivet

QUANTITY: 283 LB

SHIPPER NUMBER: 107123204343

DATE OF MANUFACTURE: 07/21/2016

HEAT LOT NUMBER: F00208103

PROCUREMENT SPECIFICATION: NASM5674 REV. 2

SHEAR STRENGTH REQUIRED: 26,000 PSI MIN.

SHEAR TEST RESULTS:	1: 33,315 PSI	2: 33,365 PSI
	3: 34,014 PSI	4: 34,947 PSI
	6: 33,432 PSI	7: 33,654 PSI
	9: 34,269 PSI	10: 33,706 PSI

DIMENSIONAL INSPECTION

SAMPLE SIZE: 12

RESULTS: ACCEPTABLE

ASTM GRAIN SIZE #:8

DRIVEABILITY: ACCEPTABLE

FINISH: MIL-DTL-5541 REV. F, CLASS 1A, COLD

COMMENTS: HEAT TREAT NASM5674 REV 2.

The undersigned hereby certifies that the product(s) supplied herewith were manufactured and inspected in accordance with all applicable drawings and specifications, and conforms to all applicable government and/or customer requirements. All supporting documentation is on file and is available for review upon request.

The aforementioned items were manufactured by Allfast Fastening Systems, Inc at 15200 Don Julian Road, City of Industry, California 91745.

This certification shall not be reproduced, except in full, without written approval of Allfast Fastening Systems, Inc. Recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under federal law.

Country of origin: USA



*[Signature]* / *[Signature]*  
QUALITY ASSURANCE REPRESENTATIVE

Page 1 of 1

MANUFACTURERS OF AIRCRAFT AND COMMERCIAL FASTENERS